

Redundancy with aggregation and w/o InfiMUX



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CAUTION

Configurations from the scenarios below are examples that demonstrate the potential capabilities of the Infinet Wireless devices. The configurations may vary depending on the model and firmware version. We do not recommend copying this solutions to the hardware without checking.

Description

It is easy to fully reserve a connection by combining two radio channels into one MINT domain. If you configure the aggregation of channels, you can increase the maximum throughput of the entire radio link.



Configuration Example

A management is VLAN 100 in switch group #100. A transport of user data is in switch groups #1 on the both radiochannels. Numbers of switch groups can differs, because devices is not combine in one domain MINT.

- Configure Master 1 and Slave 1 as the main link.

Master 1

```
rf rf5.0 band 40
rf rf5.0 mimo
rf rf5.0 freq 5000 bitr 300000 sid 10101010 burst
rf rf5.0 txpwr 25 pwrctl distance auto
dfs rf5.0 dfsoff
mint rf5.0 -roaming leader
mint rf5.0 -type master
mint rf5.0 -name "Master 1"
mint rf5.0 -key "123456789"
mint rf5.0 poll start
ifc svi100 up
ifc vlan100 vlan 100 vlandev eth0 up
sw group 100 add vlan100 rf5.0
svi 100 group 100
ifc svi100 192.168.1.1/24
sw group 100 stp on
sw group 100 start
```

Slave 1

```
rf rf5.0 band 40
rf rf5.0 mimo
rf rf5.0 burst
dfs rf5.0 dfsoff
mint rf5.0 prof 1 -band 40 -freq 5000 -bitr 300000 -sid 10101010 -nodeid 00020 -type slave -netid 0 -
minbitr 30000 -autobitr -mimo -key "123456789"
mint rf5.0 -name "Slave 1"
ifc svi100 up
ifc vlan100 vlan 100 vlandev eth0 up
sw group 100 add vlan100 rf5.0
svi 100 group 100
ifc svi100 192.168.1.2/24
switch group 100 order 1
sw group 100 stp on
sw group 100 start
```

- Configure Master 2 and Slave 2 as a backup link.

Master 2

```
rf rf5.0 band 40
rf rf5.0 mimo
rf rf5.0 freq 5100 bitr 300000 sid 10101010 burst
rf rf5.0 txpwr 25 pwrctl distance auto
dfs rf5.0 dfsoff
mint rf5.0 -roaming leader
mint rf5.0 -type master
mint rf5.0 -name "Master 2"
mint rf5.0 -key "123456789"
mint rf5.0 poll start
ifc svi100 up
ifc vlan100 vlan 100 vlandev eth0 up
sw group 100 add vlan100 rf5.0
svi 100 group 100
ifc svi100 192.168.1.3/24
switch group 100 order 1
sw group 100 stp on
sw group 100 start
```

Slave 2

```
rf rf5.0 band 40
rf rf5.0 mimo
rf rf5.0 burst
dfs rf5.0 dfsoff
mint rf5.0 prof 1 -band 40 -freq 5100 -bitr 300000 -sid 10101010 -nodeid 00040 -type slave -netid 0 -
minbitr 30000 -autobitr -mimo -key "123456789"
mint rf5.0 -name "Slave 2"
ifc svi100 up
ifc vlan100 vlan 100 vlandev eth0 up
sw group 100 add vlan100 rf5.0
svi 100 group 100
ifc svi100 192.168.1.4/24
switch group 100 order 1
sw group 100 stp on
sw group 100 start
```

- Configure switches. Switch configuration is not included in this example.
- Configure switch groups.

Master 1

```
switch group 1 add eth0 rf5.0
sw group 1 repeater on
switch group 1 start
```

Slave 1

```
switch group 1 add eth0 rf5.0
sw group 1 repeater on
switch group 1 start
```

Master 2

```
switch group 1 add eth0 rf5.0
sw group 1 repeater on
switch group 1 start
```

Slave 2

```
switch group 1 add eth0 rf5.0
sw group 1 repeater on
switch group 1 start
```